Abarna_day49

```c
#include <stdio.h>
#include <stdlib.h>

int compareAsc(const void *a, const void *b) {
    return (*(int *)a - *(int *)b);
}

int compareDesc(const void *a, const void *b) {
    return (*(int *)b - *(int *)a);
}

int main() {
    int n, i;
    scanf("%d", &n);
    int X[n], Y[n];
    for (i = 0; i < n; i++) {
        scanf("%d", &X[i]);
    }
    for (i = 0; i < n; i++) {
        scanf("%d", &Y[i]);
    }
    qsort(X, n, sizeof(int), compareAsc);
    qsort(Y, n, sizeof(int), compareDesc);
    int minScalarProduct = 0;
    for (i = 0; i < n; i++) {
        minScalarProduct += X[i] * Y[i];
    }
    printf("%d\n", minScalarProduct);
    return 0;
}
```